

## **EE 500E Energy & Environment Seminar**

**Title: Enabling High Penetration of Wind Energy in the Pacific Northwest Operating Environment**

**Speaker: Cesar Silva**, PhD Student, UW Electrical Engineering

Location: Room 045, EE building, UW campus

Time and Date: 3:30 pm - 4:20 pm, Thursday, September 25, 2008

Wind power is growing rapidly in the U.S. and worldwide thanks to the increased concern on climate change, government policies such as the production tax credit (PTC) that promote the use of renewable energy technologies, and wind power technology advances. However, wind variability and uncertainty makes wind power different from conventional power plants. The main wind integration issues and strategies for coping with them will be explored in this presentation, with a focus in the Pacific Northwest operating environment.

Cesar A. Silva Monroy is currently pursuing a PhD degree in Electrical Engineering at the University of Washington. He obtained his Master's degree in EE from the University of Washington in 2007 and his Bachelor's in EE from the Universidad Industrial de Santander in Colombia in 2004. He has performed research in power electronics for Infineon Technologies AG and in fuel cell integration and simulation for the Boeing company. His research interests include simulation and integration of renewable energy technologies.